

CLAIMSWhat Is Claimed Is:

1. A purified or isolated nucleic acid comprising the sequence of one of SEQ ID NOs: 134-180 or a sequence complementary thereto.
- 5 2. A purified or isolated nucleic acid comprising at least 10 consecutive bases of the sequence of one of SEQ ID NOs: 134-180 or one of the sequences complementary thereto.
- 10 3. A purified or isolated nucleic acid comprising the full coding sequences of one of SEQ ID NOs: 136-148, 150, 152-154, 156-159, 161-163, 165, 167-170, 172-174, and 176-180, wherein the full coding sequence comprises the sequence encoding signal peptide and the sequence encoding mature protein.
- Sub B1
- 15 4. A purified or isolated nucleic acid comprising the nucleotides of one of SEQ ID NOs: 135-148, 150, 152-163, and 165-180 which encode a mature protein.
- 20 5. A purified or isolated nucleic acid comprising the nucleotides of one of SEQ ID NOs: 134, 136-148, 150-154, 156-159, 161-165, 167-170, 172-174, and 176-180 which encode the signal peptide.
6. A purified or isolated nucleic acid encoding a polypeptide having the sequence of one of the sequences of SEQ ID NOs: 181-227.
- 25 7. A purified or isolated nucleic acid encoding a polypeptide having the sequence of a mature protein included in one of the sequences of SEQ ID NOs: 182-195, 197, 199-210, and 212-227.
8. A purified or isolated nucleic acid encoding a polypeptide having the sequence of a signal peptide included in one of the sequences of SEQ ID NOs: 181, 183-195, 197-201, 203-206, 208-212, 214-217, 219-221, and 223-227.
- 25 9. A purified or isolated protein comprising the sequence of one of SEQ ID NOs: 181-227.
10. A purified or isolated polypeptide comprising at least 10 consecutive amino acids of one of the sequences of SEQ ID NOs: 181-227.
- 30 11. An isolated or purified polypeptide comprising a signal peptide of one of the polypeptides of SEQ ID NOs: 181, 183-195, 197-201, 203-206, 208-212, 214-217, 219-221, and 223-227.
12. An isolated or purified polypeptide comprising a mature protein of one of the polypeptides of SEQ ID NOs: 182-195, 197, 199-210, and 212-227.
- 35 13. A method of making a protein comprising one of the sequences of SEQ ID NO:
- Sub B2

181-227, comprising the steps of:

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Sub B2*
- obtaining a cDNA comprising one of the sequences of sequence of SEQ ID NO: 134-180;
inserting said cDNA in an expression vector such that said cDNA is operably linked to a
promoter; and
introducing said expression vector into a host cell whereby said host cell produces the
protein encoded by said cDNA.
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14. The method of Claim 13, further comprising the step of isolating said protein.
15. A protein obtainable by the method of Claim 14.
16. A host cell containing a recombinant nucleic acid of Claim 1.
10 17. A purified or isolated antibody capable of specifically binding to a protein having
the sequence of one of SEQ ID NOs: 181-227.

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B3*
18. In an array of polynucleotides of at least 15 nucleotides in length, the improvement
comprising inclusion in said array of at least one of the sequences of SEQ ID NOs: 134-180, or one
of the sequences complementary to the sequences of SEQ ID NOs: 134-180, or a fragment thereof
15 of at least 15 consecutive nucleotides.